AMENDMENTS TO THE CLAIMS

This listing of claim will replace all prior versions and listings of claim in the application.

Claims 1-48. (withdrawn).

49. (original) A data synchronization system for a first system having a plurality of data sources each with a data source format, and a second system having a plurality of data sources each with a data source format; comprising:

a first data synchronizer on the first system transmitting at least one set of difference information to an output; and

a second data synchronizer on the second system coupled to the first system receiving said at least one set of difference information from the first system.

50. (original) The data synchronization system of claim 49 wherein said difference information comprises change transactions from the data source to the data destination.

51. (original) The data synchronization system of claim 49 wherein each said data synchronizer comprises:

a data source interface;

a copy of a previous state of each said data source;

a source data constructor applying difference information to said copy; and

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a difference information generator.

52. (original) The data synchronization system of claim 51 wherein said difference information is transmitted from said first synchronizer to said second synchronizer in a universal format.

53. (original) The data synchronization system of claim 51 wherein said data synchronizer includes a plurality of difference source interfaces, each corresponding to a data source format.

54. (original) The data synchronization system of claim 49 wherein said first system and second system are coupled via a network.

55. (original) The data synchronization system of claim 54 wherein said network is the Internet.

56. (original) The data synchronization system of claim 49 wherein said first system is a server and said second system is a device capable of communicating with said server.

57. (original) The data synchronization system of claim 49 wherein said first and second systems are coupled to a storage server, and said difference information is

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transmitted to said storage server by said first synchronizer and retrieved from said storage server by said second synchronizer.

58.   (original) The data synchronization system of claim 57 wherein said systems are coupled to said storage server via the Internet.

59.   (original) The data synchronization system of claim 57 further including a management server communicating with said first and second data synchronizers.

60.   (original) The data synchronization system of claim 59 wherein said management server indicates a location on the storage server where difference information for said synchronizers are stored.

61.   (original) A data synchronization system, comprising:

a server;

a first system having a plurality of data file types on the system;

a differencing synchronizer on the first system extracting a first set of differencing data from the data files on the first system when the data files on the system are changed, outputting the differencing data to the server, and retrieving differencing data from the server and applying it to selected data files on the first system;

at least one second system having a second plurality of data file types on the second system; and

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a differencing synchronizer on the second system extracting the differencing data from the data files on the second system when the data files on the system are changed, outputting the differencing data to the server, and retrieving the first set of differencing data from the server and applying it to selected data files on the second system.

62.   (original) The system of claim 61 wherein said systems are coupled to allow transfer of said difference data between systems.

63.   (original) The system of claim 62 wherein said systems are coupled via the Internet.

64.   (original) The system of claim 62 further including a server coupled to each of said first and second systems to receive, store, and output said first set and said second set of differencing data.

65.   (original) The data synchronization system of claim 61 wherein said first system is a server and said second system is a device capable of communicating with said server

66.   (original) A method for synchronizing at least a first file and a second file resident on a first and a second systems, respectively, comprising:

(a)   determining difference data resulting from changes to a first file on the first system;

(b)   transmitting the difference information to a second system;

(c)   applying the difference information to generate change data for the second file; and

(d)   updating the second file on the second system with the difference data.

67.   (original) The method of claim 66 wherein said step of determining comprises:

comparing data from the first file to a copy of a previous state of data from the first file.

68.   (original) The method of claim 67 wherein said comparing step comprises extracting data from said first file, converting said data to a universal file format, providing said copy of said data in said universal format, and comparing said data and said copy to provide difference data in said universal format.

69.   (original) The method of claim 68 wherein said step of applying comprises:

constructing new file data for said second file in said universal data format.

70.   (original) The method of claim 69 wherein said step of updating comprises translating said new file data into a format of said second file.

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71.   (original) The method of claim 66 wherein said step of transmitting comprises coupling the first system and the second system to a network and transmitting said information from the first system to the second system via the network.

72.   (original) The method of claim 71 wherein the network is the Internet.

73.   (original) The method of claim 66 wherein said step of transmitting comprises coupling the first system and the second system to a server and transmitting said information from the first system to the server, and from the server to second system.

74.   (original) The method of claim 73 wherein said step of coupling includes coupling the first and second system to the server via a network.

75.   (original) The method of claim 74 wherein the network is the Internet.